Title (en)

Axial flow gas turbine engine

Title (de)

Axiale Gasturbine

Title (fr)

Turbine à gaz axiale

Publication

EP 1013889 A1 20000628 (EN)

Application

EP 99310420 A 19991222

Priority

US 21870498 A 19981222

Abstract (en)

A gas turbine engine comprises a rotor (50) provided with rotor blades (50,56,58,62,64,66), and a stator (68) provided with stator varies (92,94,96,98,102,104). Airseals are formed between the rotor (56) and stator (68) by providing rubstrips (86) adjacent the tips of the rotor blades (54-66), and by providing seals knife edge seals (112,114) adjacent the tips of the stator varies (92-104). In order to minimise the clearance between the rotor and stator during operation, and hence improve the efficiency of the engine, during construction an interference fit is provided between the rotor (50) and stator (68) say between the rotor blades (54-66) and the rubstrips (86), so that during operation the clearance between the rotor (50) and the stator (68) is minimised and the engines efficiency is improved. <IMAGE>

IPC 1-7

F01D 11/08; F01D 11/12

IPC 8 full level

F01D 11/02 (2006.01); **F01D 11/08** (2006.01); **F01D 11/12** (2006.01); **F01D 11/18** (2006.01); **F02K 3/06** (2006.01)

CPC (source: EP US)

F01D 11/025 (2013.01 - EP US); **F01D 11/122** (2013.01 - EP US); **F01D 11/18** (2013.01 - EP US); Y02T 50/60 (2013.01 - EP US)

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1013889 A1 20000628; **EP 1013889 B1 20050810**; DE 69926594 D1 20050915; DE 69926594 T2 20060518; JP 2000186507 A 20000704; US 6203273 B1 20010320

DOCDB simple family (application)

EP 99310420 A 19991222; DE 69926594 T 19991222; JP 35530799 A 19991215; US 21870498 A 19981222